Sophia Cofone

Portfolio: sophiacofone.github.io | **GitHub:** github.com/sophiacofone | **Linkedin:** linkedin.com/in/sophia-cofone/
███████████ | ████████ | South Portland, ME | Boston, MA

PROFESSIONAL SUMMARY

Data Science graduate student. Background in data visualization and business administration with experience in statistical data analysis. Proficient in Python, Javascript, and Git.

EDUCATION

Northeastern University - Khoury College of Computer Sciences, Roux Institute - Portland, ME
Masters of Science in Data Science Candidate, GPA 3.9/4.0   *Expected Spring 2024*
Coursework: Discrete Mathematics, Programming for DS, Linear Algebra and Probability, Algorithms, Statistical Learning

University of Massachusetts Amherst - Isenberg School of Management, Amherst, MA
Bachelor of Business Administration in Accounting (Minor: Philosophy), GPA 3.9/4.0   *Graduated Spring 2020*

TECHNICAL KNOWLEDGE

Python • Javascript • Git • Tableau • SQL

HIGHLIGHTED PROJECTS

Bayes' Rule Visualization using Spotify data   *November - December 2021*
github.com/sophiacofone/Bayes-Rule-Visualization-Spotify
- Designed a program which applies Bayesian model inference to a theoretical biased-coin experiment, and a "real-world" scenario using user generated Spotify data
- Produced visualizations demonstrating the posterior result, including how the original prior shifts given new experimental information
- Leveraged the numpy, matplotlib, and scipy packages to support my calculations and create the visualizations

Vaccines Project and Maine Broadband Project   *Spring 2022*
ds5010.github.io/broadband • github.com/ds5010/broadband • ds5010.github.io/vaccines • github.com/ds5010/vaccines
- Co-managed two class projects by reviewing code/merge requests, developing time-lines, and delegating tasks
- Executed exploratory data analysis by cleaning data, merging together several data sources, and visualizing data
- Refined the "story" of the data via communication with external stakeholders
- Produced animated visualizations and contributed to the project website design using HTML, CSS, and JS

WORK EXPERIENCE

Omnic Data, Brunswick, ME   *August 2022 - September 2022*
Software Assist
- Created interactive, user-customizable data visualizations (such as histograms, dendrograms, and heatmaps) in Javascript & D3 to present actionable insights the user can apply to improve their esports gameplay
- Implemented the visualizations into the web application, including the creation of views, controllers, and database queries using Ruby and ActiveRecord
- Built data pipelines in javascript to transform raw data to a usable form for specific visualization applications
- Researched the needs of the user, and incorporated stakeholder feedback, into future iterations of the visuals

PricewaterhouseCoopers, Boston, MA   *September 2020 - June 2021*
Experienced Associate - ESG (Environmental, Social, Governance) & Process Assurance
- Analyzed ESG standards (e.g. SASB) and rating agency methods (e.g. MSCI, ISS, TCFD) to identify steps clients should take to elevate ESG reporting, including resource allocation
- Created custom ESG metrics based on stakeholder interviews to identify key data areas for clients to track over time
- Produced data visualizations to provide high-level view of material ESG topics relative to client's industry
- Owned the creation, documentation, and testing of new IT areas such as database access reviews
- Reviewed client internal audit and PwC associate IT control testing to ensure completeness and accuracy
- Communicated daily with clients during fieldwork to gain deeper understanding of audit areas and resolve issues